Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Segment Addition Postulate: Solve for x and show all work.

x - 1

3x

A

C



B

19

1.

A

C



B

-9x

5x + 50

42

2.

A

C



B

8x + 6

2x + 4

60

3.

A

C



B

3x + 8

x + 6

22

4.

A

C



B

x + 7

2x - 8

17

5.

6.

A

C



B

3x + 10

4x - 3

42

A

C



B

6x - 10

12x - 18

62

7.

A

C



B

6x + 2

3x + 12

32

8.

A

C



B

x + 13

14x + 10

48

9.

A

C



B

6x - 10

7x - 15

79

10.